

Patent Claims

1. Method for making certain as to the standstill of a vehicle, especially in combination with a control of the speed of the vehicle, wherein a braking force is built up in the sense of a parking brake function when the standstill of the vehicle is detected and wherein the force is again reduced when there is a start drive command of the driver, characterized in that the parking brake force is maintained when the supply voltage for the electrical systems of the vehicle is switched off.  
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2. Method for making certain as to the standstill of a vehicle, especially in combination with a control of the speed of the vehicle, wherein the standstill of the vehicle is detected and measures are taken to make certain as to the standstill, characterized in that these measures comprise switching an automatic transmission into the park position.  
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3. Method of claim 2, characterized in that the park position of the transmission is maintained when the supply voltage for the electrical systems of the vehicle is switched off and a movement out of the park position only then takes place when a start drive command of the driver is detected.  
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4. Method of one of the above claims, characterized in that the speed control of the vehicle is an adaptive road speed controller which brakes the vehicle until standstill.
5. Method of claim 1, characterized in that, preferably, the force flow in the drive train is interrupted after the elapse of

a predetermined time, especially, the automatic transmission is controlled into the neutral position or the park position

6. Arrangement for making certain of the standstill of a vehicle, especially in combination with the control of the speed of the vehicle, the arrangement having standstill detection means which detect a standstill of the vehicle and having brake force control means which build up a brake force in the sense of a parking brake when standstill is detected and which again reduce the brake force with a detection of the start drive command of the driver, characterized in that means are provided which maintain the parking brake force also when the supply voltage for the electrical systems of the vehicle is switched off.

7. Arrangement for making certain of the standstill of a vehicle, especially in combination with a control of the speed of the vehicle, the arrangement having standstill detection means which detect the standstill of the vehicle and having means which initiate measures for making certain of the standstill of the vehicle, characterized in that the means for making certain of the standstill switch an automatic transmission into the park position.

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METHOD AND ARRANGEMENT FOR ENSURING THE STANDSTILL OF A VEHICLE,  
ESPECIALLY IN COMBINATION WITH A CONTROL OF THE SPEED OF THE  
VEHICLE

Abstract of the Disclosure

A method and an arrangement for ensuring the standstill of a vehicle, especially in combination with a control of the speed of the vehicle, are suggested, wherein a braking force is built up to realize a parking brake when standstill of the vehicle is detected and/or a transmission is switched into the park position. The brake force or the transmission position is also maintained when the supply voltage for the electrical systems of the vehicle is switched off.

FIG. 31